

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO.		SERIAL NO.	
				217693US0		New Application	
				APPLICANT Masayuki KOYANO, et al.			
LIST OF REFERENCES CITED BY APPLICANT				FILING DATE Herewith		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
msk	AA	6,120,589	09/19/00	Bannai et al.	—	—	
msk	AB	5,993,524	11/30/99	Nagai et al.	—	—	
msk	AC	6,261,349	07/17/01	Nagai et al.	—	—	
msk	AD	5,879,439	03/09/99	Nagai et al.	—	—	
msk	AE	5,882,390	03/16/99	Nagai et al.	—	—	
msk	AF	6,231,652	05/15/01	Koyano et al.	—	—	
msk	AG	5,972,082	10/26/99	Koyano et al.	—	—	
msk	AH	5,810,915	09/22/98	Nagai et al.	—	—	
msk	AI	5,622,550	04/22/97	Konishi et al.	—	—	
msk	AJ	5,514,208	05/07/96	Nagai et al.	—	—	
msk	AK	5,431,720	07/11/95	Nagai et al.	—	—	
msk	AL	4,793,860	12/27/88	Murakami et al.	—	—	
msk	AM	4,711,668	12/08/87	Shimada et al.	—	—	
msk	AN	4,647,310	03/03/87	Shimada et al.	—	—	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
msk	AO	52-53012	04/28/77	JAPAN w/Partial English Translation			
msk	AP	55-065269	05/16/80	Japan w/English Translation			
msk	AQ	55-144172	11/10/80	Japan w/English Translation			
msk	AR	56-086789	07/14/81	Japan w/English Translation			
msk	AS	56-089594	07/20/81	Japan w/English Translation			
msk	AT	56-089595	07/20/81	Japan w/English Translation			
msk	AU	64-063185	03/09/89	Japan w/English Translation			
msk	AV	08-020159	01/23/96	Japan w/English Translation			
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW						
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	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
msk					12/8/03		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 217693US0		SERIAL NO. 10/098,547	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Masayuki KOYANO, et al.			
				FILING DATE March 18, 2002		GROUP 1755	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>mm</i>	AA	6,156,384	12/05/2000	G. F. HUTTER, et al.			
	AB						
	AC						
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
<i>mm</i>	AO	WO 99/64249	12/16/99	WIPO			
<i>mm</i>	AP	1 034 940	09/13/2000	EUROPE			
	AQ						
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>mm</i>	AW	Patent Abstracts of Japan, JP 63 299971, December 7, 1988					
<i>mm</i>	AX	Patent Abstracts of Japan, JP 05 148775, June 15, 1993					
	AY						
	AZ						
Examiner <i>mm</i>					Date Considered 12/8/03		

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
<i>ml</i>	AA	4,737,190	04/12/88	Shimada et al.	—	—	
<i>ml</i>	AB	4,713,113	12/15/87	Shimada et al.	—	—	
<i>ml</i>	AC	4,631,085	12/23/86	Kawanishi et al.	—	—	
<i>ml</i>	AD	4,581,071	04/08/86	Akutsu et al.	—	—	
<i>ml</i>	AE	4,554,555	11/19/85	Aruga et al.	—	—	
<i>ml</i>	AF	4,620,876	11/04/86	Fujii et al.	—	—	
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FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
<i>ml</i>	AO	08-020161	01/23/96	Japan w/English Translation			
<i>ml</i>	AP	08-142500	06/04/96	Japan w/English Translation			
<i>ml</i>	AQ	10-250216	09/22/98	Japan w/English Translation			
<i>ml</i>	AR	11-010856	01/19/99	Japan w/English Translation			
<i>ml</i>	AS	2000-037942	02/08/00	Japan w/English Translation			
<i>ml</i>	AT	2000-044855	02/15/00	Japan w/English Translation			
<i>ml</i>	AU	2000-063719	02/29/00	Japan w/English Translation			
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
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LIST OF REFERENCES CITED BY APPLICANT <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 10px auto;"> OIPE AUG 27 2002 PATENT & TRADEMARK OFFICE </div>				APPLICANT Masayuki KOYANO, et al.			
				FILING DATE 03/18/02		GROUP 1755	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
<i>mm</i>	AA	5,968,301	10/19/99	MURAKAMI, et al.	—	—	
<i>mm</i>	AB	6,020,103	02/01/00	TSUBUKO, et al.	—	—	
<i>mm</i>	AC	5,851,717	12/22/98	TSUBUKO, et al.	—	—	
<i>mm</i>	AD	6,439,713	08/27/02	NOGUCHI, et al.	—	—	
<i>mm</i>	AE	5,619,765	04/15/97	TOKITA, et al.	—	—	
<i>mm</i>	AF	5,782,254	07/21/98	TANIKAWA, et al.	—	—	
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	AV						
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